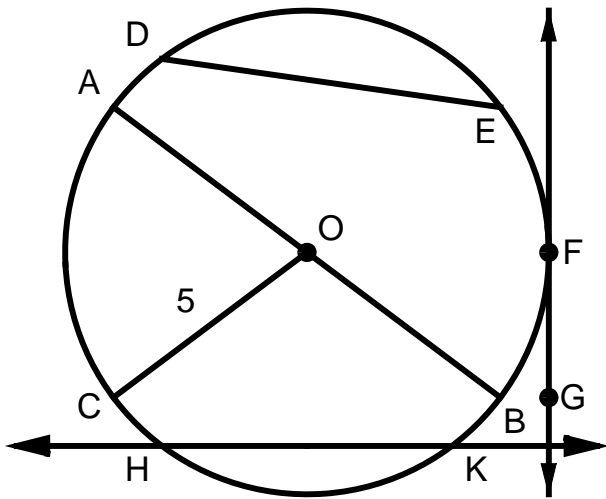


Worksheet 8.1 Basic Terms

1. What is the difference between a secant and a tangent to a circle?
2. Write the definition of a **radius** of a circle.
3. Define **congruent circles**.
4. Define **concentric circles**.
5. Write the definition of a circle and a sphere. What one phrase separates the two definitions?
6. Write the definition of a **chord**.
7. A polygon is _____
and the circle is _____ when each vertex of the
polygon lies on the circle.

In the figure below, O is the center of the circle.



8. Name two chords of the circle.
9. Describe \overline{AO} in terms of circle O.
10. Name a tangent of the circle.
11. Describe \overline{HK} in terms of circle O.
12. Describe \overleftrightarrow{FG} in terms of circle O.
13. Describe \overline{AB} in terms of circle O.
14. Name a secant of the circle.
15. What is the length of \overline{AB} ?
16. What is the length of \overline{OB} ?
17. Name a diameter of the circle.
18. Name two radii of the circle.
19. What is the length of \overline{AO} ?